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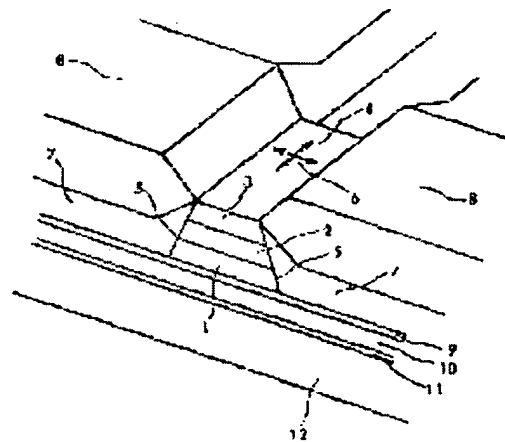
(72)Inventor : FUYAMA MORIAKI  
SUZUKI YOSHIO  
SHIBUKAWA YOSHIHIRO  
KOMURO MATAHIRO  
HOSHIYA HIROYUKI  
WATANABE KATSURO  
TADOKORO SHIGERU  
HIRAGA MAKOTO

## (54) MAGNETORESISTIVE HEAD

## (57)Abstract:

PROBLEM TO BE SOLVED: To stabilize electromagnetic conversion characteristics and to decrease Barkhausen noises and surge fluctuations by forming permanent magnet films thinly at both ends of a magnetoresistance effect element.

SOLUTION: The central active region of the magnetoresistive head is composed of an MR film 3, a SAL 1 which is a soft bias film for impressing a transverse bias and a separating film 2 for separating two magnetic films. The end passive regions impart a longitudinal bias to the central active region. The permanent magnet film 7 is formed thinner than the total of the SAL 1, the separating film 2 and the MR film 3 after the SAL 1, the separating film 2 and the MR film 3 are formed to the prescribed shape after the formation of the MR film 3 to the prescribed shape. A taper is formed at the permanent magnet film in such a manner that the film remains at the end with the MR film 3 by removing the film so as not to remain in the part of the MR film 3.



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